HAKANÇELİK

HAKMETÇELİK | NSGÇELİK | HAKANVASIFLIÇELİK

2025

ABOUT US

HAKAN FAYDASIÇOK ÇELİK

Quality, reliability, and expertise... Hakan Çelik stands out as a leader in the industry due to its commitment to these values. Founded by Hakan FAYDASIÇOK in 1998, our company has over 25 years of industry experience and began operations under the Hakan Çelik brand in 2017. By 2021, Hakan Çelik had started producing bright steel with fully continuous shot blasting and cold drawing lines. Located in the Konya Organized Industrial Zone, Hakan Çelik meets the growing demand for high-quality steel in Turkey's developing industry with a 17,000 m^2 site and 11,000 m^2 of covered area. Shaped by years of experience and expertise, our company is committed to providing unique services to our partners in the steel industry.

OUR GROUP COMPANIES

HAKMET ÇELİK

One of our group companies, Hakmet Çelik San.Tic.Ltd.Şti, was established in 2020 in the Gebze district of Kocaeli Province to meet the high-quality steel needs of our industrial facilities located in the Marmara and Aegean regions. It operates with a 1,500m^2 storage area and a robust inventory and distribution network.

NSG ÇELİK

One of our group companies, NSG Çelik San.Tic.Ltd.Şti, was established in 2021 in Adana province to meet the high-grade steel needs of our industrial facilities located in the Mediterranean-Eastern and Southeastern Anatolia regions. It operates with a 1,500m^2 storage area and a robust inventory and distribution network.

HAKAN VASIFLI ÇELİK

One of our group companies, Hakan Vasıflı Çelik A.Ş., was established in 2021 in Ankara as a sales office under Hakan Çelik. It later incorporated in 2023 and adopted its current name, serving the high-grade steel needs of our industrial facilities in the Northern Anatolia and Black Sea regions. It operates with a 1,500 m^2 storage area and a robust inventory and distribution network.

MILESTONES

2017

Hakan Faydasıçok Steel Was Established.
Konya (2500 m² Indoor Area)

2020

Hakmet Çelik Was Established.
Kocaeli (1500 m² Indoor Area)

2021

NSG Çelik Was Established.
Adana (1000 m² Indoor Area)

2021

Hakan Faydasıçok Steel Ankara Sales Office Established.

2021

Hakan Faydasıçok Steel Shiny Steel Production Facility Established.
Konya (17000 m² Indoor Area)

2023

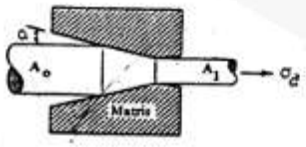
Hakan Vasıflı Çelik Was Established in Ankara.
(1500 m2 Indoor Area)

We are one of the leading companies in the alloy steel sector with our activities.

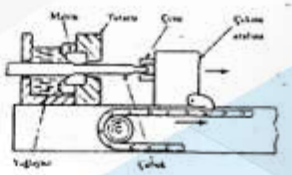
PRODUCTION

With the advancement of technology, the possibilities for processing steel on lathes, CNC machines, magazine-fed sliding automatic machines, vertical, horizontal, or special machines have also increased. As a raw material supplier, we produce and sell products in line with our customers' processes. To produce these products in accordance with technology and current conditions; We serve our customers in our cold rolling mills with the following steel groups, including decimal measurements, with length requirements, burr-free, with the desired surface precision (within h7, h9, h11 tolerances), clean, bright, scratch-free, and ovality-free, with single or double chamfers as requested.

Cold Drawing Process: The process of reducing the cross-section of material passed through a die at room temperature on drawing lines using plastic forming to obtain a bright surface and precise diameter tolerance.



Şekil. 70- Çekme



Şekil. 71- Çubuk malzeme çekimi

In order for the cold drawing process to be applied, the scale and corrosion on the surface of the hot-rolled material must be removed (mechanical cleaning). Since the quality of this mechanical cleaning process directly affects the surface quality of the cold-drawn product, the Sandblasting Method, which is the globally accepted mechanical cleaning method, is applied at our facility.

In our cold drawing lines, according to their quality;

- **Carbon steels**
- **Transmission shafts**
- **Free-cutting steels**
- **Structural steels**
- **Case-hardening steels**
- **Alloy steels such as tool steels are also produced.**

On our cold drawing lines, according to shape and size;

- **Main dimensions range from 20 mm to 70 mm in diameter.**
- **Can be produced in custom decimal dimensions based on customer request and quantity.**

Our standard and tolerance ranges for cold drawing lines:

We can manufacture in accordance with the EN10278 standard in tolerances h9, h10, and h11.

If you would like more detailed information, please contact our Sales department.

Rolling Mill

A steel rolling mill is a type of facility used in the steel production process. In these facilities, raw steel is heated to high temperatures and rolled into various shapes and sizes. Rolled steel is typically converted into products such as construction steel, sheet metal, pipes, and profiles. Steel mills are divided into two main groups: Hot Rolling: In this process, steel is heated above its recrystallization temperature (usually between 1100°C and 1250°C) and rolled. This process makes steel easier to shape and allows it to be produced in larger sizes. Hot rolling is generally used in the production of sheet and thick materials.

Cold Rolling: This process is carried out by rolling steel at room temperature or slightly above. Cold rolling is used to produce thinner and more precise steel products. Steel obtained through this process has a smoother surface and higher strength. Steel mills occupy a critical position in the steel production chain and are the main source of steel products used in many industries such as construction, automotive, white goods, and shipbuilding. Rolled steel products have a wide range of applications in these sectors due to their durability and formability.

Cold-Drawn Steel

Cold-drawn steels are typically low-carbon steels that are shaped by undergoing a drawing process. These steels are usually drawn at room temperature or low temperatures, and this process improves their mechanical properties. The properties of cold-drawn steels can be summarized as follows: Low Carbon Content: These steels generally have low carbon content. Low-carbon steels typically have soft and formable properties that are more suitable for drawing. High Strength: The cold drawing process can increase the strength of the steel material by rearranging its molecular structure. Therefore, cold-drawn steels can often be high-strength. Good Surface Quality: The cold drawing process can improve the surface quality of the steel material. This ensures a smooth surface finish. Consistent Dimensional Control: The cold drawing process allows the material to be brought to specific dimensions and tolerances. This enables the production of steel products with precise measurements used in various industries. Various Applications: Cold drawn steels are used in various applications. For example, steel wires, rods, pipes, profile bars, nuts, bolts, and other thin metal parts can be produced using the cold drawing method. Cold-drawn steels are used in many areas such as the automotive sector, electronics industry, and construction materials production. These steels play an important role in the production of shaped and precision-measured products.

OUR SERVICES

Steel Blasting

Steel blasting is a process used for surface cleaning or surface preparation. In this process, a special sand or abrasive material is sprayed onto the surface using pressurized air. This material cleans the surface of rust, oxide, paint, or other contaminants and cleans the surface. Steel sandblasting is a preparatory process applied before the protection, painting, or coating of steel surfaces. It also ensures that the surface of the steel material is brought to the desired surface roughness.

Precision Cutting

Steel cutting is a manufacturing or production process that enables steel material to be cut in a specific manner. Steel cutting processes can be performed using different methods, and the method selected typically varies depending on the intended use, steel type, and cutting requirements.

OUR PRODUCTS

Reforged Steel

42crmo4	1.7225
25CrMo4	1.7218
30CrNiMo8	1.6580
34Cr4	1.7033
34CrMoS4	1.7226
34CrS4	1.7037
34CrNiMo6	1.6582
34CrMo4	1.7220
36CrNiMo4	1.6511
37Cr4	1.7034

Automatic Steel

11SMn30	1.0715
11SMn37	1.0736
11SMnPb30	1.0718
11SMnPb37	1.0737
35S20	1.0726

Carbon Steels

C10	1.0301
C15	1.0401
C35	1.0501
C40	1.0511
C45	1.0503
C55	1.0535

Case-Hardening Steels

15NiCr13	1.5752
16MnCr5	1.7131
16MnCrS5	1.7139
17CrNi6-6	1.5918
17NiCrMo6-4	1.6566
18CrMo4	1.7243
18CrNiMo7-6	1.6587
20MnCr5	1.7147

OUR PRODUCTS

Tool Steels

C 60 W	1.1740
C 70 W	1.1620
C 80 W	1.1525
C 85 W	1.1830
C 105 W	1.1545

Manufacturing Steels

C10	1.0301
C15	1.0401
S235JR	1.0122
S275JRC -ST44	1.0128
S355J2C-ST52	1.0579
S355J2C	1.0579

Transmission Steels

C10	1.0301
C15	1.0401
S235JR	1.0122
S275JRC -ST44	1.0128
S355J2C-ST52	1.0579
S355J2C	1.0579

Seamless Pipe

S275JRC-ST44	1.0128
S355J2C-ST52	1.0579

OUR SALES SOLUTIONS

Advantageous Sales Solutions

Product information received from our customers is thoroughly reviewed by our team of expert metallurgical engineers and feasibility team, and we resolve the issue using one of the following sales alternatives.

Project Sales;
An option that offers consumers a sustainable quality advantage.
Detailed studies are conducted for OEM companies (APQP Team) and products are analyzed with a collaborative approach. Subsequently, PPAP files are prepared for the sample and presented to our customers along with the sample. Our engineers responsible for the sample and mass production processes are in constant communication with relevant personnel in line with customer demands and needs. This ensures smooth product manufacturing and sustainable product supply.

These are orders produced according to product specifications or special requests (based on the just-in-time philosophy) to be delivered in the quantities requested by our customers within the timeframes requested by us. The minimum order quantity is 1 casting. (The casting quantity varies depending on the manufacturer.) The order date is between a minimum of 4 weeks and a maximum of 16 weeks prior to the delivery date, depending on the manufacturer's location and the product's characteristics.
These are applications typically preferred by forward-thinking and planned automotive spare parts manufacturers that produce OEM, OES, and similar materials.

• **Campaign Sales;**
It is an option that offers the consumer a price advantage. These are orders taken before the product is manufactured. The minimum order quantity is 2.5 tons, and orders of 1 package are accepted. After the product is manufactured, the entire order is shipped directly to the customer. It is an option preferred by manufacturers who typically use high-tonnage single-cut materials and perform machining or hot forging processes, as well as our Regional Steel Trader partners.

• **Sales from Free Stock;**
It is an option that offers consumers the advantages of flexible working and stock cost savings. It is an option preferred by all our stakeholders, where they can purchase in the size and quantity they desire, and orders can be received and delivered on the same day under suitable conditions.

• **Our Cutting Sales;**
Offering consumers advantages in terms of waste reduction, labor savings, and inventory cost efficiency, our automatic carbide saws, fully automatic band saws, and qualified cutting team provide a solution that delivers the desired precision, quantity, and timing, making it the preferred choice among all our stakeholders.




HOT ROUND

Feature			Notes	Notes
Measurement Range mm (Diameter - Width)	16-350	16-350	C8 (SAE 1008)	C10 (SAE 1010)
Dimension Range mm Thickness			C40 (1040)	C22 (1020 -1025)
Length mm	5,5-12	5,5-12	C45 (1045)	C30 (1030)
Production Standard	EN10060	EN10060	C50 (1050)	C35 (1035)
EN 10221 Surface Crack Test	Opsiyonel	Opsiyonel	ST37 (S235JR)	C60 (1060)
EN 10308 Ultrasonic Crack Testing	Opsiyonel	Opsiyonel	41Cr4 (4140)	100Cr6
			42CrMo(S)4	20NiCrMo2 (8620)
			16/20MnCr(S)5	34CrNiMo6 (4340)
			S355JR/J0/J2	
			11SMn30/37	
			11SMnPb30/37	

SQUARE-LAMA HOT

Feature					Notes	Notes
Measurement Range mm (Diameter - Width)	20-100	20-100	20-200	20-200	C40 (1040)	S235JR (St37)
Dimension Range mm Thickness	20-100	20-100	20 - 80	20 - 80		4140 (42CrMo4)
Length mm	5,5-12	5,5-12	5,5-12	5,5-12		C30 (1030)
Production Standard	EN10058	EN10058	EN10058	EN10058		C45 (1045)
EN 10221 Surface Crack Test	No	No	No	No		
EN 10308 Ultrasonic Crack Testing	No	No	No	No		

TATTOO

Feature			Notes	Notes
Measurement Range mm (Diameter - Width)	270-900	270-900	C45 (1045)	C30 (1030)
Dimension Range mm Thickness	4,5 - 8	4,5 - 8	42CrMo4 (S) (4140)	41Cr4 (5140)
Production Standard	EN 10250	EN 10250	20MnCr5(S) (7131)	S355JR /30/32 (ST52)
EN 10221 Surface Crack Test	No	No		
EN 10308 Ultrasonic Crack Testing	Yes	Yes		
EN 10308 Ultrasonic Crack Testing	Opsiyonel	Opsiyonel		

COLD (BRILLIANT) PRODUCTS

COLD ROUND

Feature			Notes	Notes
Measurement Range mm (Diameter - Width)	15-70	15-70	S235JR (St37)	S355JR (St52)
Length mm	3000 -7000	3000 -7000	C40 (1040)	41Cr4 (5140)
Production Standard	EN 10277	EN 10277	11SMn30/37	42CrMo4 (4140)
Diameter Tolerance	h9-h10-h11	h9-h10-h11	11SMnPb30/37	16/20MnCr5 (7130)
EN 10277-1 Surface Crack Test	Opsiyonel	Opsiyonel		
EN 10308 Ultrasonic Crack Testing	Opsiyonel	Opsiyonel		

COLD SQUARE

Feature			Notes	Notes
Measurement Range mm (Diameter - Width)	20 - 60	20 - 60	C40 (1040)	C20 (1020)
Dimension Range mm Thickness	20 - 60	20 - 60		S235JR (ST37)
Length mm	3000 - 8000	3000 - 8000		
Diameter Tolerance	EN 10278	EN 10278		
Diameter Tolerance	h9-h10-h11	h9-h10-h11		
EN 10277-1 Surface Crack Test	Hayır	Hayır		

HEX

Feature			Notes	Notes
Measurement Range mm (Diameter - Width)	15-70	15-70	C40 (1040)	S235JR (ST37)
Dimension Range mm Thickness				
Length mm	3000 - 8000	3000 - 8000		
Production Standard	EN 10278	EN 10278		
Diameter Tolerance	h9-h11	h9-h11		
EN 10277-1 Surface Crack Test	Opsiyonel	Opsiyonel		

Blue: Products in Regular Stock - **Dark Blue:** Made to Order - **Gray:** Not Available

STEEL DRAWN PIPE

Outer diameter (mm) / Wall thickness	21	27	30	32	34	38	42	45	48	51	54	57	60	64	70	73	76	80	83	89	95	102	108	114	121	127	133	140	146	152	159	168	180	194	203	219	232	245	273	299	325
2.6 2.9 3.2	O		O		O		O		O	O			O		O					O																					
3.5 3.6	O				O		O		O	O			O		O		O	O		O				O																	
4	O		O		O		O		O	O			O		O		O	O		O		O		O			O		O			O									
4.5	O		O		O		O		O	O			O		O		O			O	O	O		O	O				O	O	O									
6 6.5	O		O		O		O		O	O			O		O		O	O		O	O	O		O			O		O	O	O	O		O						
7			O		O		O		O	O			O		O		O			O		O		O	O				O	O	O			O		O			O	
7.5 8	O		O		O		O		O	O			O		O		O	O		O	O	O		O	O		O		O	O	O	O		O		O		O	O	
8.5 9					O		O		O	O			O		O		O	O		O				O	O				O								O		O		
9.5 10					O		O		O	O			O		O		O	O		O	O	O		O	O		O		O	O	O	O		O		O		O	O	
11 12 12.5					O		O		O	O			O		O		O	O		O	O	O		O	O		O		O	O	O	O		O		O			O	
13 14										O			O		O		O	O		O		O		O	O		O		O	O	O	O		O						
15 16										O			O		O		O	O		O	O	O		O	O		O		O	O				O						O	
17 18														O	O		O	O		O	O	O		O	O		O		O	O	O	O		O		O		O	O	
20																	O	O		O	O	O		O	O		O		O	O	O	O		O		O		O	O	
22																	O	O		O		O		O	O		O			O	O	O		O		O				
24 25																	O	O		O	O	O		O	O		O		O	O	O	O		O		O		O	O	
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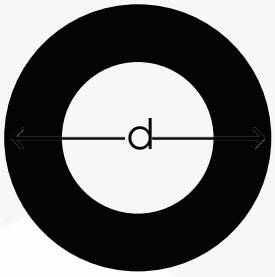
32																						O		O	O		O		O	O	O			O				O	O	
35 36																								O	O		O		O	O	O	O		O		O		O	O	
40																											O		O	O	O	O		O		O		O	O	
42 45																													O	O	O	O		O		O		O	O	
70																														O	O	O		O		O		O	O	

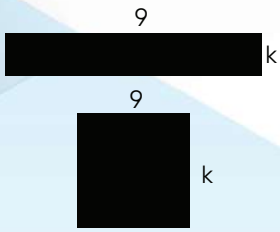
MATERIAL WEIGHT CALCULATIONS BASED ON CROSS-SECTIONS



Weight Calculation for Round Cross-Section Steel Material

FORMULA: DIAMETER(d) X DIAMETER(d) X 0.00616 = KG/mt

Example:
To find the weight per meter of Ø50 mm round steel material; 50 x 50 x 0.00616 = 15.40 kg/m

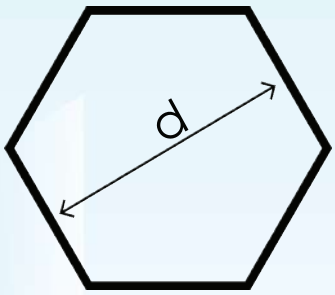


Weight Calculation for Rectangular-Square Cross-Section Steel Material

FORMULA: WIDTH(g) X THICKNESS(k) X 0.00785 = KG/mt

Example: To find the weight per meter of 100 x 20 mm flat steel material; 100 x 20 x 0.00785 = 15.70 kg/m

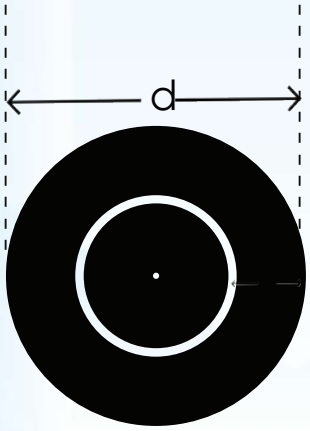
Example: To find the weight per meter of 50 x 50 mm square steel material; 50 x 50 x 0.00785 = 19.625 kg/m



Hexagonal Cross-Section Steel Material Weight Calculation

FORMULA: DIMENSION(d) X DIMENSION(d) X 0.00680 = KG/mt

Example: To find the weight per meter of 36 mm hexagonal steel material;
36 x 36 x 0.00680 = 8.813 kg/m



Pipe Steel Material Weight Calculation

FORMULA: Outer diameter (d) - Wall thickness (k) x Wall thickness (k) x 0.02466

Example: To find the weight per meter of a steel pipe with an outer diameter of 152 mm and a wall thickness of 10 mm;
152 - 10 x 10 x 0.02466 = 35.017 kg/m

HARDNESS CONVERSION TABLE

BRINELL HARDNESS	VICKERS HARDNESS	ROCKWELL C	TENSILE STRENGTH
HB	HV	HRC	N/mm
76.0	80	–	265
80.7	85	–	270
85.5	90	–	285
90.2	95	–	305
95.0	100	–	320
98.8	105	–	335
105	110	–	350
109	115	–	370
114	120	–	385
119	125	–	400
124	130	–	415
128	135	–	430
133	140	–	450
138	145	–	465
143	150	–	480
147	155	–	495
152	160	–	510
156	165	–	530
162	170	–	545
166	175	–	560
171	180	–	575
176	185	–	595
181	190	–	610
185	195	–	625
190	200	–	640
195	205	–	660
199	210	–	675
204	215	–	690
209	220	–	705
214	225	–	720
219	230	–	740
223	235	–	755
228	240	20.3	770
233	245	21.3	785
238	250	22.2	800

BRINELL HARDNESS	VICKERS HARDNESS	ROCKWELL C	TENSILE STRENGTH
HB	HV	HRC	N/mm
333	350	35.5	1125
342	360	36.6	1155
352	370	37.7	1190
361	380	38.8	1220
371	390	39.8	1255
380	400	40.8	1290
390	410	41.8	1320
399	420	42.7	1350
409	430	43.6	1385
418	440	44.5	1420
428	450	45.3	1455
437	460	46.1	1485
447	470	46.9	1520
(456)	480	47.7	1555
(466)	490	48.4	1595
(475)	500	49.1	1630
(485)	510	49.8	1665
(494)	520	50.5	1700
(504)	530	51.1	1740
(513)	540	51.7	1775
(523)	550	52.3	1810
(532)	560	53.0	1845
(542)	570	53.6	1880
(551)	580	54.1	1920
(561)	590	54.7	1955
(570)	600	55.2	1955
(580)	610	55.7	2030
(589)	620	56.3	2070
(599)	630	56.8	2105
(608)	640	57.3	2145
(618)	650	57.8	2180
–	660	58.3	–
–	670	58.8	–
–	680	59.2	–
–	690	59.7	–

BRINELL HARDNESS	VICKERS HARDNESS	ROCKWELL C	TENSILE STRENGTH
HB	HV	HRC	N/mm
242	255	23.1	820
247	260	24.0	835
252	265	24.8	850
257	270	25.6	865
261	275	26.4	880
266	280	27.1	900
271	285	27.8	915
276	290	28.5	930
280	295	29.2	950
285	300	29.8	965
295	310	31.0	995
304	320	32.2	1030
314	330	33.3	1060
323	340	34.4	1095

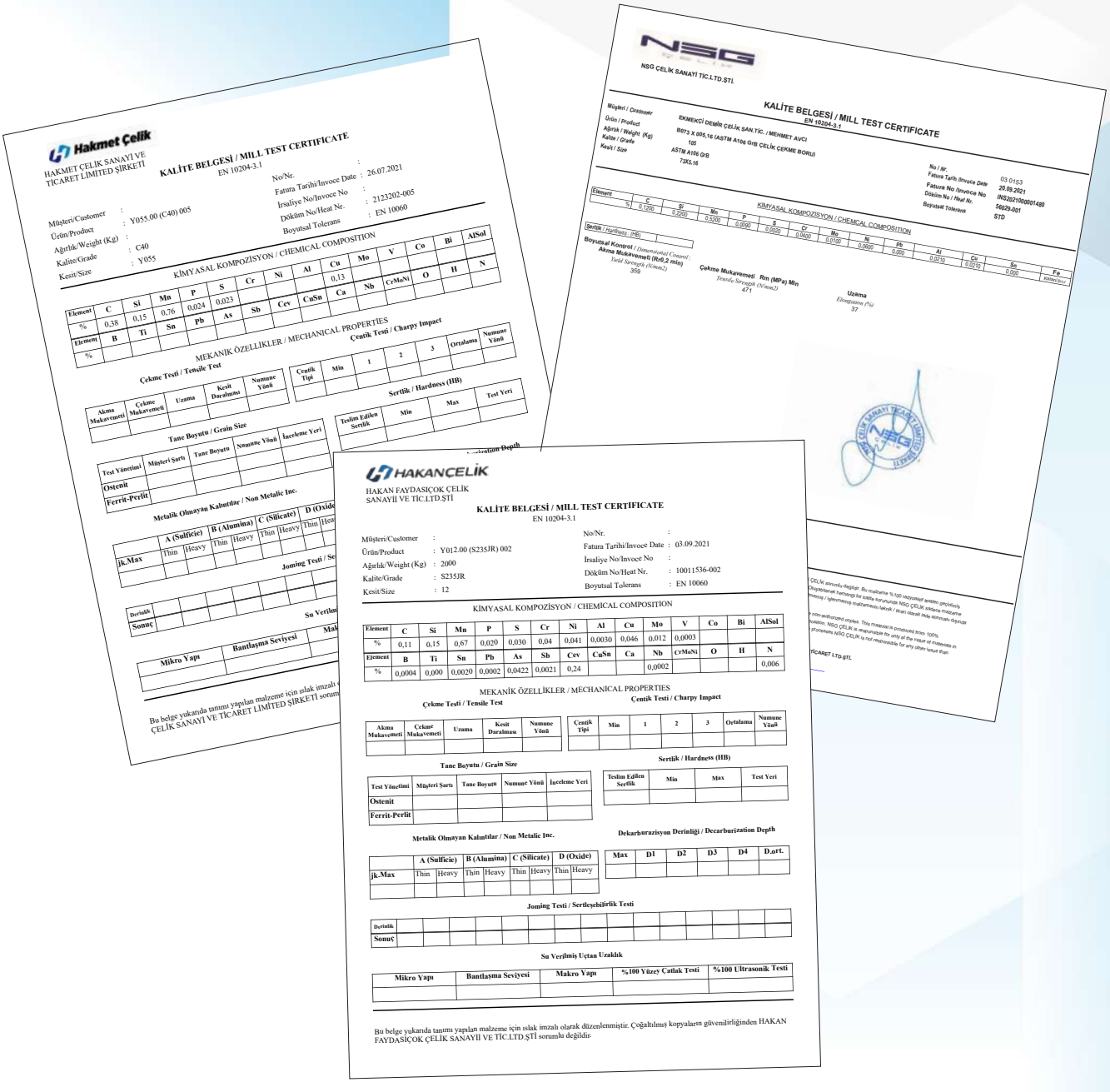
BRINELL HARDNESS	VICKERS HARDNESS	ROCKWELL C	TENSILE STRENGTH
HB	HV	HRC	N/mm
–	700	60.1	820
–	720	61.0	835
–	740	61.8	850
–	760	62.5	865
–	780	63.3	880
–	800	64.0	900
–	820	64.7	915
–	840	65.3	930
–	860	65.9	950
–	880	66.4	965
–	900	67.0	995
–	920	67.5	1030
–	940	68.0	1060
–	–	–	1095

With advantageous sales solutions, we provide our customers with sustainable quality, price, time, and inventory cost advantages.

TRACEABILITY

All our products are barcoded and designed to enable easy access to information, recording, and fast and accurate backward tracking throughout all processes, from raw material procurement using handheld terminals, through production, storage on predefined shelves, shipping, and even delivery to the final point of sale.

Product certificates (quality certificates) are automatically sent to the end user via email in our ERP system.



OUR CERTIFICATES

*** We provide services in 3 regions of the domestic market with a total sales team of 16 people.**

Our main sectors of service are:

Automotive, Machinery Manufacturing, Home Appliances, Defense Industry, Mining, Agriculture, Energy

In our Management System, which we review and continuously improve;

We strive to meet the expectations of all our stakeholders, continuously support our employees' knowledge and skills through training, create a safe working environment for our employees and visitors, and carry out all our product and service activities with the utmost care for the environment and natural resources.

ISO 9001:2015 QUALITY MANAGEMENT SYSTEM CERTIFICATE

ALLOY STEEL
YOUR SOLUTION PARTNER








We offer qualified steels in accordance with world standards, according to the quality of service our customers expect.

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